ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Journal of Hydrology 292 (2004) 323

Journal of Hydrology

www.elsevier.com/locate/jhydrol

Contents of Volume 292

Vol. 292, Nos. 1–4 **June 15, 2004**

Research Papers

Water accounting for conjunctive groundwater/surface water management: case of the Singkarak–Ombilin River basin, Indonesia
N. Peranginangin, R. Sakthivadivel, N. R. Scott, E. Kendy and T. S. Steenhuis 1
Modelling of aquifer response to time varying recharge and pumping from multiple basins and wells
A. Manglik, S. N. Rai and V. S. Singh 23
Comparison of ground-water flow model particle-tracking results and isotopic data in the Mojave River ground-water basin, southern California, USA
J. A. Izbicki, C. L. Stamos, T. Nishikawa and P. Martin 30
Predicting locations sensitive to flash flooding in an arid environment
G. M. Foody, E. M. Ghoneim and N. W. Arnell 48
Identifying areas of basin-floor recharge in the Trans-Pecos region and the link to vegetation
M. A. Walvoord and F. M. Phillips 59
Shallow groundwater–surface water interactions in pond–peatland complexes along a Boreal Plains topographic gradient
J. M. Ferone and K. J. Devito 75
Likelihood-based approaches to flood frequency estimation
P. J. Northrop 96
Methodological approach for evaluating the response of soil hydrological behavior to irrigation with treated municipal wastewater
A. Coppola, A. Santini, P. Botti, S. Vacca, V. Comegna and G. Severino. 114
Comparison of raingage and WSR-88D Stage III precipitation data over the Texas-Gulf basin
R. Jayakrishnan, R. Srinivasan and J. G. Arnold 135
Flood frequency estimation by continuous simulation of subcatchment rainfalls and discharges with the aim of improving dam safety assessment in a large basin in the Czech Republic
S. Blazkova and K. Beven 153
Accounting for heteroscedasticity in rating curve estimates
A. Petersen-Øverleir 173
Effect of bridge construction on floodplain hydrology—assessment by using monitored data and artificial neural network models
M. R. Gautam, K. Watanabe and H. Ohno 182
Statistical analysis of hydrographs and water-table fluctuation to estimate groundwater recharge
S.-K. Moon, N. C. Woo and K. S. Lee 198
Landscape controls on the hydrology of stream riparian zones
P. G. F. Vidon and A. R. Hill. 210
Three-dimensional flow and trace metal mobility in shallow Chalk groundwater, Dorset, United Kingdom
M. Schürch, W. M. Edmunds and D. Buckley. 229
State-space modeling of water table fluctuations in switching regimes
W. L. Berendrecht, A. W. Heemink, F. C. van Geer and J. C. Gehrels 249
Sampling strategies to estimate field areal evapotranspiration fluxes with a soil water balance approach
F. Hupet and M. Vanclooster 262
Modeling of the effect of land use changes on the runoff generation of a river basin through parameter regionalization of a watershed model
Y. Hundecha and A. Bárdossy 281
Measuring catchment-scale chemical retardation using spectral analysis of reactive and passive chemical tracer time series
X. Feng, J. W. Kirchner and C. Neal 296
The importance of epiphytes to total rainfall interception by a tropical montane rain forest in Costa Rica
D. Hölscher, L. Köhler, A. I. J. M. van Dijk and L. A. (Sampurno) Bruijnzeel 308

doi: 10.1016/S0022-1694(04)00201-X